

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently amended): A process for the disposal of sulfur comprising:
melting sulfur to provide molten sulfur; and
injecting the molten sulfur into a geological structure having a temperature ranging
from 90 to 160°C,

wherein the geological structure is a matrix geological structure or a fractured
structure.

Claim 2 (Previously Presented): The process according to claim 1, wherein the sulfur
comes from purification treatment of hydrocarbons of a fossil nature or from a natural gas.

Claim 3 (Previously Presented): The process according to claim 1, wherein the
molten sulfur comes directly from the Claus process.

Claim 4 (Previously Presented): The process according to claim 1, wherein the sulfur
comes from a surface storage site.

Claims 5-8 (Canceled).

Claim 9 (Previously Presented): A process for the disposal of sulfur comprising:
melting sulfur to provide molten sulfur; and
injecting the molten sulfur into a geological structure having a temperature ranging
from 90 to 160°C,
wherein melting sulfur is performed in the presence of hydrogen sulfide.

Claim 10 (Previously Presented): The process of claim 9, wherein the hydrogen sulfide is used in a mixture with other gases which do not have the capacity of reducing the melting point of the sulfur.

Claim 11 (Previously Presented): The process of claim 10, wherein the gas mixed with hydrogen sulfide is methane or carbon dioxide.

Claim 12 (Previously Presented): The process of claim 9, wherein the hydrogen sulfide is separated from natural gas.

Claim 13 (Previously Presented): The process according to claim 9, wherein the sulfur comes from purification treatment of hydrocarbons of a fossil nature or from a natural gas.

Claim 14 (Previously Presented): The process according to claim 9, wherein the molten sulfur comes directly from the Claus process.

Claim 15 (Previously Presented): The process according to claim 9, wherein the sulfur comes from a surface storage site.

Claim 16 (Previously Presented): The process according to claim 9, wherein the geological structure is one forming the reservoir from which crude oil or natural gas containing sulfur are removed.

Claim 17 (Previously Presented): The process according to claim 1, wherein the geological structure is a matrix geological structure.

Claim 18 (Previously Presented): The process according to claim 1, wherein the geological structure is a fractured structure.

Claim 19 (Previously Presented): The process according to claim 14, wherein the geological structure is a naturally fractured structure.

Claim 20 (Previously Presented): The process according to claim 14, wherein the geological structure is an induced fractured structure.